DCR-DVD850

Hybrid DVD camcorder w/ 60X optical zoom

The Sony® DCR-DVD850 Handycam® camcorder combines powerful features with maximum flexibility. A Carl Zeiss® 60x optical zoom lens and SteadyShot™ image stabilization make capturing sharp images a snap, and Hybrid Plus technology gives you the option to record to DVD, 16GB[1] of internal memory, or removable Memory Stick Duo™ or Memory Stick PRO Duo™ media.

- 16GB embedded memory:
  16GB[1] of embedded memory can record and store up to almost 11 hours of video footage (SD LP mode).
- Hybrid Plus offers flexible recording and transfer options:
  Hybrid Plus recording technology delivers a new level of flexibility for transferring your video footage and digital photos from the camcorder to compatible viewing devices. Record to your choice of 3" DVD media[6], 16GB[1] embedded flash memory, or removable Memory Stick PRO Duo™ media (all media sold separately). You can even select from various dubbing functions to easily copy video from Memory Stick® media or built in flash memory media to DVD -- without using a PC. Images recorded or transferred to DVD media can then be played directly in most DVD Players (SD)[1], computers, Blu-ray Disc™ players, and even PLAYSTATION®3 video game consoles to share your memories with friends and family.
- 60X Optical / 2000X Digital Zoom:
  Ideal for sporting events, wildlife, or distance shooting, 60X optical zoom brings you closer to the action, so you can capture extremely tight shots, even from far away. In addition, Digital Zoom Interpolation means that extreme digital zooming (up to 2000X) is clearer, with less distortion than previous types of digital zooms.
- Carl Zeiss® Vario-Tessar® lens with SteadyShot™ image stabilization:
  The DCR-DVD850 features a professional-quality Carl Zeiss® Vario-Tessar® lens designed specifically for compact camcorders. Precision ground optics help maintain the sharpness and contrast of larger lenses, and SteadyShot™ image stabilization helps reduce blur caused by camera shake.
- 1/8" Advanced HAD™ CCD Imager:
  A 1/8" Advanced HAD™ (Hole Accumulation Diode) CCD imager with 410K (effective) pixel resolution delivers stunning detail and clarity for exceptional video and still image performance.
- DVD-R/-RW/+RW and +R DL (Dual Layer) Compatible:
  The DCR-DVD850 is compatible with a variety of DVD formats (DVD-R/-RW/+RW and +R DL (Dual Layer), allowing you to take advantage of the ease-of-use and simplicity found in DVD media. With DVD+RW media, there is no need to finalize the disc (minimum recording required); simply remove and insert the media into a compatible DVD or Blu-ray Disc™ player[6].
- 2.7" wide touch panel[3] LCD display (123k pixels):
  The 2.7" wide touch panel[3] LCD display provides exceptional viewing clarity with 123K pixels resolution. The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The convenient touch panel allows easy access to menus and additional functionality such as spot focus and spot metering.
- Power On by opening LCD display:
  Quickly power on your camcorder by simply opening the LCD display.
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic:
  Dolby® Digital 5.1 channel recording captures active sounds coming from all directions, so you can experience your home movies the way you experienced them while recording. The Built-In Zoom Mic focuses audio recording on your subjects in sync with the camera's zoom lens.
- Includes Sony® PMB (Picture Motion Browser) software:
  Sony Picture Motion Browser software offers a simple, intuitive way to transfer, sort, and view your video and still images on your compatible PC. In addition, multiple output options let you burn your memories to DVD (sold separately), as well as take advantage of one click upload to a number of popular video and photo sharing sites[9].
- Color Viewfinder (123k pixels):
  The DCR-DVD850 features a 123k pixel resolution color viewfinder that lets you record and review video and still images.
- One Touch Disc Burn:
  Easily burn a DVD copy of your footage using the supplied PMB (Picture Motion Browser) software[9]. Simply connect the camcorder to your compatible PC via a USB cable and press the One Touch Disc Burn Button. [12]

ADDITIONAL FEATURES

- Easy Handycam® Button:
- Film Roll Index:
- Face Index function:
- Playback Zoom:
- USB 2.0 interface:

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Specifications

General

Imaging Device: 1/8" Advanced HAD™ CCD sensor
Pixel Gross: 680K
Recording Media: 16GB Embedded Flash memory
3" (8cm) DVD (DVD-R/DVD-RW/DVD+RW/DVD+R DL)
Memory Stick PRO Duo™ Media (Sold Separately)
Recording and Playback Times: 16GB Embedded Flash Memory: HQ = up to 230 min., SP = up to 340 min., LP = up to 655 min.
3" DVD media: Single Layer - HQ: 20 min., SP: 30 min., LP 60 min. Dual Layer - HQ: 35 min., SP: 55 min., LP: 110 min.
When using 16GB Memory Stick PRO Duo™ Media (sold separately): Standard Definition: HQ = up to 230 min., SP = up to 340 min., LP = up to 655 min.
Still Actual: 250K pixels (16:9), 340K pixels (4:3)
Video Resolution: 720 x 480
Still Picture Resolution: 680K

Audio

Recording Format: Dolby® Digital 5.1
Microphone: Built-in Zoom Microphone

Convenience

Still Image Mode(s): JPEG
Hybrid Plus: Yes
Scene Mode(s): Auto, Twilight, Twilight Portrait, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Sports, Beach, Snow
Face Index: Yes
Film Roll Index: Yes
Easy Operation: Yes
Slide Show Mode: Yes
Exposure: Yes (Touch Panel)
Removable Flash Media Compatibility: Memory Stick PRO Duo™ Media (Sold Separately)

Convenience Features

Multiple Language Display: Yes
Manual / Auto Lens Cover: Manual
Quick On: Yes
S/S & Zoom button on LCD: Yes
Fader Effect(s): Black, White

Inputs and Outputs

Analog Audio/Video Output(s): Included (via A/V Remote Terminal)
USB Port(s): Hi-speed (2.0 compliant)
S-Video Output(s): Sold separately (via A/V Remote jack)
Audio/Video Remote Terminal: Video / S Video / Audio

Display

Viewfinder: Yes (color 123k)

LCD Display

LCD Type: 2.7" wide touch panel[3] LCD display (123k pixels)

Hardware

Media Card slot: Memory Stick PRO Duo™ Media[1]

Optics/Lens

35mm Equivalent: 39-2340mm (16:9), 44-2640mm (4:3)
Aperture: F1.8-6.0
Filter Diameter: 30mm
Focal Distance: 1.8 - 108mm
Focus: Full range Auto / Manual (Touch Panel)
Shutter Speed: Auto, 1/4 - 1/4000 (Scene Selection Mode)
Optical Zoom: 60x
Digital Zoom: 2000x
Resolution: 680K
Lens Type: Carl Zeiss® Vario-Tessar®

Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH30)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 1.9W / 2.1W (VF/LCD)

Software

Supplied Software: PMB Ver.4.2.00 9. Supports Windows 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3)(32bit) Windows Vista Service Pack1 (SP1) (32bit/64bit). Not supported by Mac OS

Video

Format: SD (MPEG2)
Video Signal: NTSC color, EIA standards

Advanced Features

Image Stabilization: SteadyShot™ image stabilization

Exposure System

Minimum Illumination: 6 lux (Auto Slow Shutter On, 1/30 Shutter Speed)

Recording

Video Actual (Pixel): 410K pixels (16:9), 340K pixels (4:3)
Photo Capture from Movie: Yes

Dimensions

Weight: 13oz (390g)
Measurements: 2 1/4 x 3 5/8 x 5 1/8 inch (55 x 89 x 130mm)

Service and Warranty Information

Limited Warranty Term: Limited Warranty --- 1 Year Parts; 90 Days Labor

Supplied Accessories

AC adaptor (AC-L200)
Rechargeable Battery Pack (NP-FH30)
A/V Connecting Cable
Clock Lithium (Installed) (ML621/MS621FE)
Application Software / USB Driver / (CD-ROM)
USB Cable

Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FH50/FH70/FH100)
Case (LCS-BBDB/R/L)
Starter Kit (ACC-ASH6)
AC Adaptor/Charger for H series batteries (AC-VQH10)
Travel Charger (BC-TRP)
Wide Angle Conversion Lens (VCL-HGE07A)
Tripod (VCT-80AV)
Video Light (HVL-10NH)
Underwater Sports Pack (SPK-HCE)
GPS Unit (GPS-CS3KA)

UPC Code: 027242763104

1. 16GB equals 16 billion bytes, a portion of which is used for system management and/or application files. Available capacity is approximately 15.5GB.
3. Viewable area measured diagonally.
6. Not all DVD media types are compatible with all DVD players.
9. Supports Windows 2000 Professional Service Pack4?SP4?, Windows XP Service Pack3?SP3??32bit?
Windows Vista Service Pack1?SP1??32bit/64bit?. Not supported by Mac OS.
12. One Touch Disc Burn feature requires DVDirect burner or compatible PC with supplied PMB software (sold separately).

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